BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2020-21/OW/WORK_INDENT41905

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/01/2020-21, Date: 05-05-2020

Name of Work:Drilling of Borewell and Providing pump and motor and laying pipe line at Vinayakanagara Dwarakanagara Kattigenahalli surrounding area in ward no 05 Byatarayanapura

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of H V Nagaraj (KRANTHI ELECTRICALS)	
				In Figures	In Words
1	14	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of	Each BW	3938.0	Rupees Three Thousand Nine Hundred Thirty Eight Only
2	700	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0-50mtrs.	Rmtr	362.0	Rupees Three Hundred Sixty Two Only
3	700	50 to 100	Rmtr	462.0	Rupees Four Hundred Sixty Two Only
4	700	100 to 150	Rmtr	476.0	Rupees Four Hundred Seventy Six Only
5	700	150 to 200	Rmtr	560.0	Rupees Five Hundred Sixty Only
6	700	200 to 250	Rmtr	662.0	Rupees Six Hundred Sixty Two Only
7	700	250 to 300	Rmtr	731.0	Rupees Seven Hundred Thirty One Only
8	700	300 to 350	Rmtr	862.0	Rupees Eight Hundred Sixty Two Only
9	700	350 to 400	Rmtr	940.0	Rupees Nine Hundred Forty Only
10	840	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and	Rmtr	1440.0	Rupees One Thousand Four Hundred Forty Only
11	140	Providing and fixing 250mm dia PVC Pipe and as per specification and directions of Engineer in charge of work.	Rmtr	1183.0	Rupees One Thousand One Hundred Eighty
12	14	175mm dia M.S. Casing cap complete as per specifications and directions of Engineer in charge of work.	Each	107.0	Rupees One Hundred Seven Only

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28/09

Executive Engineer

28/09

Sl. No.	Approved Qty.	Description	Unit	Approved Tende H V Nagaraj (KR ELECTRICALS)	
				In Figures	In Words
13	140	M.S. Casing pipe collars 'C' Class complete as per specifications and directions of Engineer in charge of work.	Each	161.0	Rupees One Hundred Sixty One Only
14	308000	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of	Sq.cm	0.35	and Thirty Five Paise Only
15	826	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) complete as per specifications and directions of Engineer in charge of work.	L	94.0	Rupees Ninety Four Only
16	14	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type.(MR) complete as per specifications and directions of Engineer in charge of work.	Nos	496.0	Rupees Four Hundred Ninety Six Only
17	42	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work.	Nos	156.0	Rupees One Hundred Fifty Six Only
18	532	Supplying and laying of LT UG cable having aluminum conductor PVC insulated sheathed, galvanized, steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable complete as per specifications and directions of Engineer in charge of work.	Mtr	177.0	Rupees One Hundred Seventy Seven Only
19	532	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete sutting road surfaces complete as per specifications and directions of Engineer in charge of work.	Mtr	89.0	Rupees Eighty Nine Only
20	42	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm complete as per specifications and directions of Engineer in charge of work.	Mtr	307.0	Rupees Three Hundred Seven Only
21	14	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, complete as per specifications and directions of Engineer in charge of work.	Nos	2849.0	Rupees Two Thousand Eight Hundred Forty Nine Only
22	14	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications and directions of Engineer in charge of work.	Nos	292.0	Rupees Two Hundred Ninety Two Only
23	14	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work.	Nos	325.0	Rupees Three Hundred Twenty Five Only
24	14	Borewell Cap and Clamp Set complete as per specifications and directions of Engineer in charge of work.	Set	1881.0	Rupees One Thousand Eight Hundred Eighty One Only

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No.	Approved Qty.	Description	Unit	Approved Tender Rates of H V Nagaraj (KRANTHI ELECTRICALS)	
				In Figures	In Words
25	4	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.50 HP 30 stage complete as per specifications	Nos	75371.0	Rupees Seventy Five Thousand Three Hundred Seventy One Only
26	5	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 20 HP 40 Stage complete as per specifications and directions of Engineer in charge of work.	Nos	94671.0	Rupees Ninety Four Thousand Six Hundred Seventy One Only
27	5	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 25 HP 50 Stage complete as per specifications and directions of Engineer in charge of work.	Nos	131332.0	Rupees One Hundred Thirty One Thousand Three Hundred Thirty Two Only
28	4956	Providing, laying & joining GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class complete as per specifications and directions of Engineer in charge of work.	Rmtr	433.0	Rupees Four Hundred Thirty Three Only
29	840	Supply and fixing Collar for GI Pipes 50MM complete as per specifications and directions of Engineer in charge of work.	Nos	188.0	Rupees One Hundred Eighty Eight Only
30	10332	Supplying of submersible pump cable 1X3X6 Sqmm complete as per specifications and directions of Engineer in charge of work.	Mtr	150.0	Rupees One Hundred Fifty Only
31	14	Supplying & delivery at site brand new / Essen / lotus sunsines/Adarsh/Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph,50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz,380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) complete as per specifications and directions of Engineer in charge of work.	Nos	21945.0	Rupees Twenty One Thousand Nine Hundred Forty Five Only
32	14	Supplying & delivery of brand 50mm Gate Valve complete as per specifications and directions of Engineer in charge of work.	Nos	1881.0	Rupees One Thousand Eight Hundred Eighty

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28/09

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28/09

Sl. No.	Approved Qty.	Description	Unit	Approved Tende H V Nagaraj (KR ELECTRICAL	
				In Figures	In Words
33	14	Supplying & delivery of brand 50mm Non Return Valve complete as per specifications and directions of Engineer in charge of work.	Nos	1881.0	Rupees One Thousand Eight Hundred Eighty One Only
34	14	Supplying and fixing MCB complete as per specifications and directions of Engineer in charge of work.	Nos	940.0	Rupees Nine Hundred Forty Only
35	1719.9	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and directions of Engineer in charge of work.	Cum	331.0	Rupees Three Hundred Thirty One Only
36	3822	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including joining of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete as per specifications and directions of Engineer in charge of work.	Mtr	412.0	Rupees Four Hundred Twelve Only
37	1719.9	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications and directions of Engineer in charge of work.	Cum	134.0	Rupees One Hundred Thirty Four Only

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Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92

28/09